

# Product Datasheet

## Histone H4 [Trimethyl Lys20] Antibody - BSA Free NB21-2090

Unit Size: 0.05 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB21-2090**

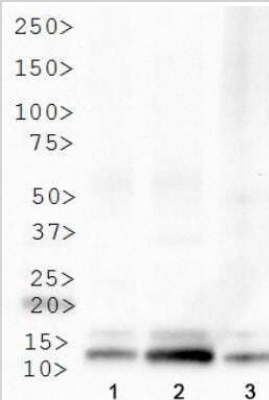
Histone H4 [Trimethyl Lys20] Antibody - BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	0.58 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS and 30% Glycerol
Product Description	
Host	Rabbit
Gene ID	121504
Gene Symbol	H4C16
Species	Human, Mouse, Rat, Mammal
Reactivity Notes	Predicted to react with most mammal species.
Marker	H4K20me3
Immunogen	Synthetic trimethylated peptide surrounding Lysine 20 of human Histone H4 [Swiss Prot# P62805].
Product Application Details	
Applications	Western Blot, Simple Western, Dot Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Simple Western 1:100, Immunohistochemistry reported in scientific literature (PMID 23924899), Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID 23924899), Dot Blot 0.5 ug/ml
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Hela Nuclear lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:100. Separated by Size-Wes, Sally Sue/Peggy Sue.

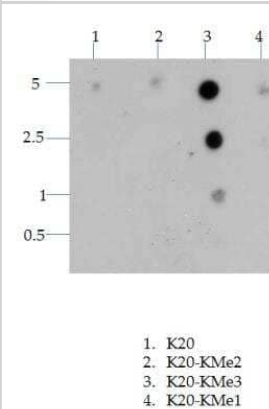


## Images

Western Blot: Histone H4 [Trimethyl Lys20] Antibody [NB21-2090] - Analysis of Histone H4 K20me3 in (A) HeLa histone lysate (B) NIH/3T3 histone lysate, and (C) C.elegans lysate.



Dot Blot: Histone H4 [Trimethyl Lys20] Antibody [NB21-2090] - Analysis of Histone H4 K20me3 in picomoles of peptide.



Simple Western: Histone H4 [Trimethyl Lys20] Antibody [NB21-2090] - Lane view shows a specific band for Histone H4 in 0.5 mg/ml of Hela Nuclear lysate. This experiment was performed under reducing A246 conditions using the 12-230 kDa separation system.



## Publications

Evertts AG, Manning AL, Wang X et al. H4K20 methylation regulates quiescence and chromatin compaction. Mol Biol Cell 2013-10-01 [PMID: 23924899] (WB, ICC/F, Human)



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### **Products Related to NB21-2090**

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NB21-2090PEP	Histone H4 [Trimethyl Lys20] Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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